D.S. BROWN

Datasheet

Bridges

REV 12/21

Cableguard™ 55 Mil Two-Ply Elastomeric Wrap

SECTION I - General Requirements

The material covered by this specification shall be an elastomeric cable wrap that meets the following requirements:

1. It is colorfast without applying paint.
2. It is typically applied in a spiral manner at cable termination point.
3. It is heated in place to fuse to itself or overlapping Cableguard™ Wrap.

The elastomeric cable wrap that is covered by this specification is the subject of a patent issued in the U.S. and various foreign countries. The material covered by this specification can be acquired from:

The D. S. Brown Company
300 E. Cherry Street,
North Baltimore, Ohio, 45872
Phone: (419) 257-3561 Fax: (419) 257-2200

SECTION II - Materials and Physical Properties

Elastomeric Wrap

The wrap is based on a cross-linking chlorosulfonated polyethylene polymer. Wrap systems based on thermoplastic materials, polychloroprene polymers, other natural or synthetic polymers or plastics will not be allowed.

The wrap shall be a two-ply laminated construction. The required thickness of the wrap is 55 mils nominal.

Physical Properties - Wrap

Tensile Strength (ASTM D-412, Die C)	1000 psi
Membrane Elongation @ Break % (ASTM D-412, Die C)	250%
Tear Resistance (ASTM D-624)	250 pounds
Puncture Resistance (FTMS 101C, Method 2031)	80 pounds
Ozone Resistance (ASTM D1149, 1/8" bent loop, 30% strain 100ppm, 104° F, 7 days	7x magnification, no cracks
Low Temperature Brittleness (ASTM D2136, 1/8" Mandrel 4 hrs. @ -40° F.)	-40° F, Pass
Emmaqua Accelerated Weathering (ASTM E838 – 3 million Langleys)	Pass, without degradation

SECTION III - Installation

The 55 mil two-ply elastomeric wrap is typically applied by hand at to seal irregular areas encountered when installing the Cableguard™ Bridge Wrap System. Examples include cable penetrations into anchorages and custom boots that terminate cable stay penetrations at tower and deck locations.

The elastomeric wrap is heated to achieve fusion of the overlapped seams with an electric blanket or hand-held heat gun capable of generating and sustaining temperatures of 280°F. An experienced technician who is employed by the manufacturer shall assist the installation crew during the startup of the wrapping and heating process.